

WHAT I CLAIM IS:



Claim 1.

A missile deflector system consisting of a sensor and infra red light source placed in the rear part of the airplane belly. The sensor is IR-visible video camera with fish eye lens connected to a computer motion analysis software to detect incoming missile and a mechanical release system that throws out the decoy IR light source to float below and behind or just behind the plane and the electrical cable physically dragging the decoy is supplied with electrical power to generate the IR intense light by the decoy.

Claim 2.

As in claim 1 where the decoy infra red intense light source is manually released shortly after take off and is retracted shortly before landing.

Claim 3.

As in claim 1 where the decoy infra red intense light source is automatically ejected at 100 feet altitude on take off and is retracted at 18,000 feet altitude.

Claim 4.

As in claim 1 where the decoy infra red intense light source is automatically ejected at 18,000 feet altitude on landing and is retracted at 200 feet altitude...

Claim 5.

As in claim 1 where the decoy infra red light source release is triggered by a radar system on the plane upon detection of incoming missile.

Claim 6.

As in claim 1 where the sensor is a motion detector radar system mounted on the plane.

Claim 7.

As in claim 1 where the sensor is a range finder with wide viewing angle.

Claim 8.

As in claim 1 where the sensor is a motion detector and the decoy is heated foils thrown in the air behind the plane.

Claim 9.

As in claim 1 where the decoy light source is multiple IR light sources.

Claim 10.

As in claim 1 where the decoy a multiple IR sources of emission profile similar but stronger than that of the engine.

Claim 11.

As in claim 1 where the decoy light source is enclosed in a cylindrical shape container with cone shaped ends and with its rear end connected to a hard material of parachute shape for horizontal stabilization, and with a heavy rod material affixed to its bottom part for vertical stabilization.

